



California Environmental Protection Agency
Department of Pesticide Regulation

Environmental Justice Pilot Project in Parlier

Monitoring Plan and Tour of Field Sampling

Air monitoring locations



Pesticide air monitoring

- Department of Pesticide Regulation
 - Monitor 3 locations: Martinez, Benavidez, Chavez
 - Collect 24-hr samples, 3 consecutive days/week
 - Collect 2 samples:
 - Methyl isothiocyanate, MITC (1 pesticide)
 - Multi-pesticide (25 pesticides, 5 breakdown products)
- Air Resources Board
 - Monitor 1 location: Benavidez
 - Collect 24-hr samples, once every 6 days
 - Collect 2 samples:
 - Volatile organic compounds (23 chemicals; 6 pesticides)
 - Metal/elements (33 chemicals; 3 pesticides)

Monitoring for other pollutants

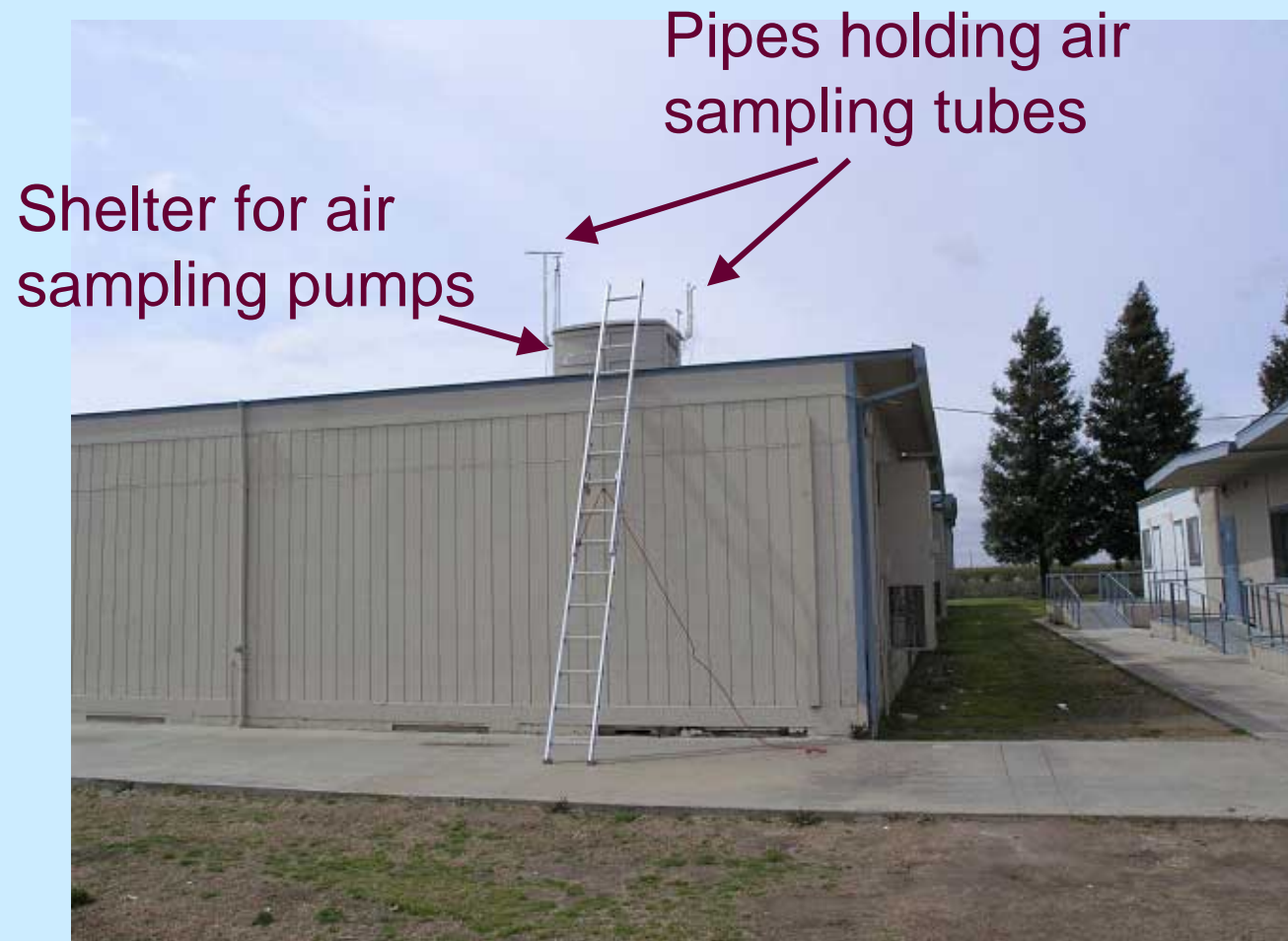
- Department of Pesticide Regulation
 - Drinking water monitoring for 12 pesticides and breakdown products
- Air Resources Board (Benavidez)
 - Volatile organic compounds
 - Metals/elements
 - Particulate matter
- Air Pollution Control District (Kearney)
 - Ozone
 - Nitrogen dioxide
 - Hydrocarbons (during summer)

Tour of DPR field sampling

Arrive at school



Set up ladder



Climb up ladder



Check air sampling pumps



Remove sample tube shields



← Rain and sunlight shields

Charcoal tube for MITC

XAD tube for
30 pesticides

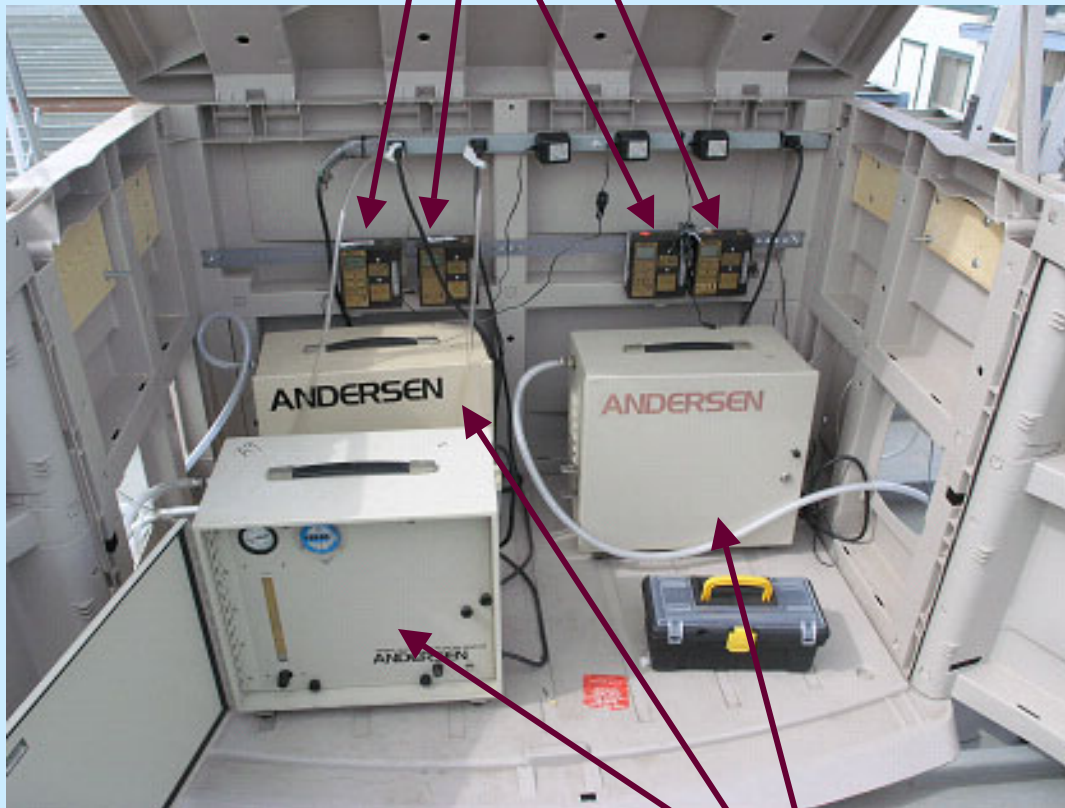


Check air flow



Turn off air sampling pumps

Air sampling pumps for charcoal tubes



2 or 3 samples of each type:

- Primary sample
- Backup sample
- QC sample

Air sampling pumps for XAD tubes

Record sampling data



Start new sample

Connect new tube to pump



Check air flow



Record data



Close shelter



Climb down ladder



Put away ladder



Put samples in cooler with dry ice



Probe for temperature recorder



Drive to next site

